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### 1 [FLIP: a flexible interconnection protocol for heterogeneous internetw](#)

[Ignacio Solis, Katia Obraczka](#)

 August 2004 **Mobile Networks and Applications**, Volume 9 Issue 4

**Publisher:** Kluwer Academic Publishers

 Full text available: [Pdf](#) (549.43 KB)

 Additional Information: [full citation](#), [abstract](#), [re](#)
**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 92, Citation

This paper describes the Flexible Interconnection Protocol, or FLIP, who interconnection of heterogeneous devices with varying power, processing capabilities, ranging from simple sensors to more powerful computing ..

**Keywords:** flexible headers, heterogeneous networks, optimized heade

### 2 [Network exception handlers: host-network control in enterprise netw](#)

[Thomas Karagiannis, Richard Mortier, Antony Rowstron](#)

 August 2008 **SIGCOMM '08: Proceedings of the ACM SIGCOMM 2008 confe**  
communication

**Publisher:** ACM [Request Permissions](#)

 Full text available: [Pdf](#) (417.26 KB)

 Additional Information: [full citation](#), [abstract](#), [re](#)
**Bibliometrics:** Downloads (6 Weeks): 18, Downloads (12 Months): 179, Citatic

Enterprise network architecture and management have followed the Int despite different requirements and characteristics: enterprise hosts are authority, which intrinsically assigns different values to ...

**Keywords:** enterprise networks, management, network exception hanc

Also published in:

 October 2008 **SIGCOMM Computer Communication Review** Volume 38 Issue

### 3 [A secure ad-hoc routing approach using localized self-healing comm](#)

[Jiejun Kong, Xiaoyang Hong, Yunjung Yi, Joon-Sang Park, Jun Liu, Mario G](#)

 May 2005 **MobiHoc '05: Proceedings of the 6th ACM international sympo:**  
networking and computing

**Publisher:** ACM [Request Permissions](#)

 Full text available: [Pdf](#) (222.15 KB)

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Mobile ad hoc networks (MANETs) are vulnerable to routing attacks, especially by non-cooperative (selfish or compromised) network members and adversaries. For instance, since packet loss is common in mobile wireless ...

**Keywords:** community-based security, self-healing ad hoc routing

#### 4 [Gigascope: a stream database for network applications](#)

 [Chuck Cranor](#), [Theodore Johnson](#), [Oliver Spataschek](#), [Vladislav Shkapenyuk](#)  
June 2003 **SIGMOD '03: Proceedings of the 2003 ACM SIGMOD international conference on Management of data**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (133.50 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 30, Downloads (12 Months): 324, Citations: 0

We have developed *Gigascope*, a stream database for network applications supporting intrusion detection, router configuration analysis, network research, network performance monitoring and debugging. *Gigascope* is ...

#### 5 [On the state of IP spoofing defense](#)

 [Toby Ehrenkranz](#), [Jun Li](#)  
May 2009 **Transactions on Internet Technology (TOIT)**, Volume 9 Issue 1

**Publisher:** ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (618.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 131, Downloads (12 Months): 131, Citations: 0

IP source address spoofing has plagued the Internet for many years. Attacker spoofing IP addresses to mount attacks and redirect blame. Researchers have proposed various defenses to defend against spoofing, with varying levels of success. With the defenses ...

**Keywords:** IP spoofing, packet filtering, spoofing defense, spoofing prevention

#### 6 [Architectural requirements and scalability of the NAS parallel benchmark](#)

 [Frederick C. Wong](#), [Richard P. Martin](#), [Remzi H. Arpaci-Dusseau](#), [David E. Culler](#)  
January 1999 **Supercomputing '99: Proceedings of the 1999 ACM/IEEE conference on Supercomputing** (CDROM)

**Publisher:** ACM

Full text available:  [Pdf](#) (211.25 KB) Additional Information: [full citation](#), [references](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 42, Citations: 0

#### 7 [Creating private network overlays for high performance scientific computing](#)

[Edward Walker](#)  
November 2007 **Middleware '07: Proceedings of the ACM/IFIP/USENIX 2007 conference on Middleware**

**Publisher:** Springer-Verlag New York, Inc.


Full text available:  [Pdf](#) (3.23 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 10, Citations: 0

In this paper we describe an approach in creating private network overl the dynamic creation of personal clusters on-demand. These personal cl submitting job proxies to High Performance Computing (HPC) ...

**Keywords:** cluster computing, high performance computing, overlay ne management

#### 8 Trustworthy and personalized computing on public kiosks

 [Scott Garriss](#), [Rámon Cáceres](#), [Stefan Berger](#), [Reiner Sailer](#), [Leendert van I](#)  
June 2008 **MobiSys '08**: Proceeding of the 6th international conference on applications, and services

**Publisher:** ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (349.02 KB) Additional Information: [full citation](#), [abstract](#), [re](#)

**Bibliometrics:** Downloads (6 Weeks): 58, Downloads (12 Months): 312, Citatic

Many people desire ubiquitous access to their personal computing enviro system in which a user leverages a personal mobile device to establish device, or kiosk, prior to resuming her environment on the ...

**Keywords:** integrity verification, kiosk computing, mobility, personalize platform module, virtualization

#### 9 Outdoor experimental comparison of four ad hoc routing algorithms

 [Robert S. Gray](#), [David Kotz](#), [Calvin Newport](#), [Nikita Dubrovsky](#), [Aaron Fiske](#), [Masone](#), [Susan McGrath](#), [Yougu Yuan](#)  
October 2004 **MSWIM '04**: Proceedings of the 7th ACM international symposium and simulation of wireless and mobile systems

**Publisher:** ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (148.16 KB) Additional Information: [full citation](#), [abstract](#), [re](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 76, Citation



Most comparisons of wireless ad hoc routing algorithms involve simulate outdoor runs with only a small number of nodes, potentially leading to algorithm performance. In this paper, we report on ...

**Keywords:** 802.11, MANET, mobile computing, wireless ad hoc routing

#### 10 Communications of the ACM: Volume 51 Issue 7

 July 2008 Communications of the ACM

**Publisher:** ACM

Full text available:  [Digital Edition](#),  [Pdf](#) (6.54 MB) Additional Information: [full citation](#)

**Bibliometrics:** Downloads (6 Weeks): 3945, Downloads (12 Months): 6536, Ci

#### 11 AMTree: an active approach to multicasting in mobile networks


[Kwan-Wu Chin](#), [Mohan Kumar](#)

August 2001 **Mobile Networks and Applications**, Volume 6 Issue 4

**Publisher:** Kluwer Academic Publishers

Full text available:  Pdf (250.85 KB)Additional Information: [full citation](#), [abstract](#), [re](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 21, Citation

Active networks (ANs) are a new paradigm in computer networking. In , injected into routers and switches to extend the functionalities of the ne programmers to enhance existing protocols and enables the rapid deplo

**Keywords:** active networks, mobile/wireless networks, multicast**12** [Securing quality-of-service route discovery in on-demand routing for](#) [Yih-Chun Hu, David B. Johnson](#)October 2004 **SASN '04: Proceedings of the 2nd ACM workshop on Security networks****Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (218.91 KB)Additional Information: [full citation](#), [abstract](#), [re](#)**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 116, Citatic

An ad hoc network is a collection of computers (nodes) that cooperate t other over a multihop wireless network. Users of such networks may wi applications such as videoconferencing, Voice over IP, and streaming ...

**Keywords:** QoS routing, SQoS, ad hoc networks, quality-of-service, se**13** [Beyond folklore: observations on fragmented traffic](#)[Colleen Shannon, David Moore, K. C. Claffy](#)December 2002 **IEEE/ ACM Transactions on Networking (TON)** , Volume**Publisher:** IEEE PressFull text available:  Pdf (535.41 KB)Additional Information: [full citation](#), [abstract](#), [re](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 63, Citation

Fragmented IP traffic is a poorly understood component of the overall n Many assertions about the nature and extent of fragmented traffic are a empirical. In this paper we examine the causes and attributes ...

**Keywords:** TCP/IP, fragment, fragmentation, measurement, traffic me**14** [QoS experiences in native IPv6 networks](#)[Athanasios Liakopoulos, Dimitrios Kalogeras, Vasilis Maglaris, Dimitris Prir](#)February 2009 **International Journal of Network Management** , Volume 1**Publisher:** John Wiley & Sons, Inc.Full text available:  Pdf (724.11 KB)Additional Information: [full citation](#), [abstract](#), [re](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 5, Citation C

Deployment of IPv6 technology in research and commercial networks hz years. Inevitably, as more advanced services take advantage of the nev gradually increases. Today, there is limited experience ...

Simulation of the 3 dimensional cascade flow with numerical wind tunnel  
Takashi Nakamura, Toshiyuki Iwamiya, Masahiro Yoshida, Yuichi Matsuo, N  
 November 1996 **Supercomputing '96**: Proceedings of the 1996 ACM/IEEE  
 Supercomputing (CDROM)

**Publisher:** IEEE Computer Society


Full text available:  [Pdf](#) (120.40 KB) Additional Information: [full citation](#), [abstract](#), [re](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 12, Citation

The NWT was reinforced to get 280 GFLOPS of theoretical peak performance  
 PEs to the original 140 PEs. On a CFD simulation of jet engine compressor  
 performance speed of 111 GFLOPS using 160 PEs.

**16** Performance modeling and evaluation of data/voice services in wireless  
Jae-Hyun Kim, Hyun-Jin Lee, Sung-Min Oh, Sung-Hyun Cho  
 March 2008 **Wireless Networks**, Volume 14 Issue 2

**Publisher:** Kluwer Academic Publishers

Full text available:  [Pdf](#) (506.13 KB) Additional Information: [full citation](#), [abstract](#), [re](#)

**Bibliometrics:** Downloads (6 Weeks): 17, Downloads (12 Months): 196, Citation

Application-level performance is a key to the adoption and success of the  
 performance in advance, a detailed end-to-end simulation model of a CI  
 include application traffic characteristics, network architecture, ...


**Keywords:** 3G technology evolution, CDMA 2000, QoS, performance measurement

**17** On the cost of caching locator/ID mappings

 Luigi Iannone, Olivier Bonaventure

December 2007 **CoNEXT '07**: Proceedings of the 2007 ACM CoNEXT conference

**Publisher:** ACM


Full text available:  [Pdf](#) (548.38 KB) Additional Information: [full citation](#), [abstract](#), [re](#)

**Bibliometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 81, Citation

Very recent activities in the IETF and in the Routing Research Group (RRG)  
 defining a new Internet architecture, in order to solve scalability issues  
 routing. The approach that is being explored is based on ...

**Keywords:** LISP, addressing, internet architecture, locator/ID separation

**18** A dynamic core based multicast routing protocol for ad hoc wireless

 Subir Kumar Das, B. S. B. S. Manoj, C. Siva Ram Murthy

June 2002 **MobiHoc '02**: Proceedings of the 3rd ACM international symposium  
 networking & computing

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (195.60 KB) Additional Information: [full citation](#), [abstract](#), [re](#)


**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 133, Citation

Ad hoc wireless networks are self-organizing dynamic topology networks  
 mobile nodes through radio links. Minimal configuration absence of infrastructure

deployment make them convenient for emergency situations other ...

**Keywords:** ad hoc wireless networks multicast routing, dynamic core, I

## 19 TCP/IP performance over 3G wireless links with rate and delay varia

 Mun Choon Chan, Ramachandran Ramjee

September 2002 **MobiCom '02**: Proceedings of the 8th annual international computing and networking

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (317.14 KB) Additional Information: [full citation](#), [abstract](#), [re](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 133, Citatic

Wireless link losses result in poor TCP throughput since losses are perce resulting in source throttling. In order to mitigate this effect, 3G wireles augmented their system with extensive local retransmission ...

**Keywords:** 3G wireless, TCP, link and rate variation

## 20 Wireless sensor networks for habitat monitoring

 Alan Mainwaring, David Culler, Joseph Polastre, Robert Szewczyk, John An

September 2002 **WSNA '02**: Proceedings of the 1st ACM international work networks and applications

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (542.04 KB) Additional Information: [full citation](#), [abstract](#), [re](#)

**Bibliometrics:** Downloads (6 Weeks): 227, Downloads (12 Months): 1303, Citi





We provide an in-depth study of applying wireless sensor networks to re A set of system design requirements are developed that cover the hardy design of the sensor network, and the capabilities ...

**Keywords:** environmental monitoring, habitat monitoring, low power s architecture, wireless sensor networks

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